



Installation Guide

GRP Canopies



To ensure optimum performance please follow the correct fitting procedures outlined in this installation guide.

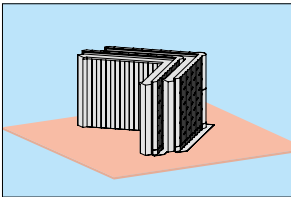
Site safety and good building practice should be adhered to at all times.



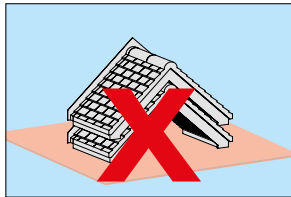
Scan the QR code to view our installation video



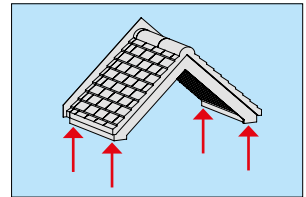
STORAGE & HANDLING



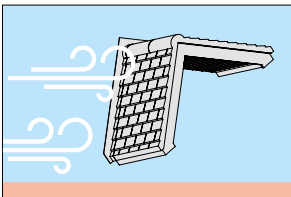
MUST BE STORED FLAT
Use timber bearers to provide support for all GRP elements.



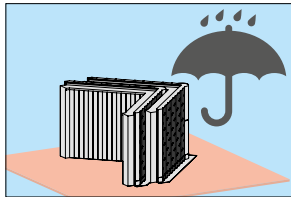
DO NOT STACK
GRP elements must not be stacked or have heavy weights placed on top.



LIFTING INTO POSITION
GRP elements must be evenly supported on each side when lifting on to brackets.



PROTECT FROM WIND
Lightweight items should be secured to prevent from wind damage on site.



PROTECT FROM SOAKING
GRP should be stored in dry conditions. Avoid soaking or storing in very wet conditions.



Please observe all Site Safety guidelines and observe safe working loads when lifting mechanically.

Fixing recommendations

Pg	Component	Dimension		Recommended Fixings	Comment
03	Wall Bracket	All Sizes Available		Bracket to Wall: Fischer SRX 10 x 100 Fischer white cover caps Bracket to Canopy: Fischer Woodscrew 5 x 50 Fischer white cover caps	
04	Apex GRP Tile effect Roof	Width (up to) 3000mm	Projection Up to 750mm	GRP Flashing to Wall: Fischer SRX 10 x 60 Grey cover caps	All fixings at Max 450mm CTRS
05	Apex Ready to Tile Roof	Width (up to) 3000mm	Projection Up to 750mm	Timber Frame to Wall: Fischer SRX 10 x 100	All fixings at Max 450mm CTRS
06 & 07	Contemporary Metal	Width (up to) 1250mm 1550mm 1950mm	Projection Up to 750mm Up to 750mm Up to 750mm	Metal bracket to Wall: Fischer SRX 10 x 60 Grey cover caps	Larger canopies require special calculations
08	Mono Pitch GRP Tile effect Roof	Width (up to) 6000mm	Projection Up to 750mm	GRP Flashing to Wall: Fischer SRX 10 x 100. Grey cover caps	All fixings at Max 450mm CTRS
09	Mono Pitch Ready to Tile Roof	Width (up to) 6000mm	Projection Up to 750mm	Timber Frame to Wall: Fischer SRX 10 x 100. Grey cover caps	All fixings at Max 450mm CTRS
10	Flat GRP With Kneelers	Width (up to) 6000mm	Projection Up to 750mm	GRP Flashing to Wall: Fischer SRX 10 x60	All fixings at Max 450mm CTRS
11 & 12	Flat GRP With Internal Bracket	Width (up to) 6000mm	Projection Up to 750mm	Metal Bracket to Wall: Fischer SRX 10 x 60 GRP Flashing to Wall: Fischer SRX 10 x 60	Larger canopies require special calculations

NOTES:

It is the sole responsibility of the Installer to ensure installations are carried out in accordance with IG Elements Installation Instructions. These instructions do not excuse the installer of the accountability to check that the chosen fixings are compatible with the wall or roof construction. All fixings are to be installed in strict accordance with the manufacturer's instructions.

All installations of IG Elements products must take into consideration the structural integrity of the wall/roof which products are being fastened to.

Any installations larger than those dimensioned above must be given special structural consideration.

Please note, all of the above calculations are based on installation of the products on to the following substrates:
Facing brick: 15n/mm² Concrete blocks: 7n/mm² Concrete: minimum 25n/mm²

1: Wall Brackets

For Apex, Mono Pitch and Flat canopy types.

Position & Fix Brackets



- 1.1** Determine canopy height: Level with door head, above door head etc. Width is determined by the canopy dimensions.



- 1.2** To fit first bracket, mark positions for drill holes.



- 1.3** Fit brackets; mark positions and drill holes for first bracket. Drill bit size M10.



- 1.4** Secure first bracket using the recommended fixings (Fischer SXR 10x100mm).



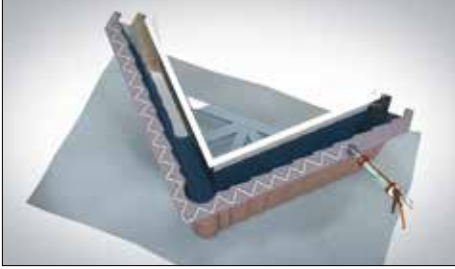
- 1.5** Ensure second bracket is level and positioned correctly. Drill and secure as before.



- 1.6** Brackets ready for canopy installation.

2: Apex GRP tile effect

Position & Fix Brackets (see page 3) *before* canopy preparation & fixing



- 2.1** Apply mastic sealant to the rear of the Flashing Upstand while on the ground. Use protective sheeting to front face of canopy.



- 2.4** Fix canopy using the recommended fixings and plugs (Fischer SXR 10x60mm).



- 2.2** Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.



- 2.5** Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)



- 2.3** Fix canopy by drilling (drill bit size M10) through the flashing upstand at a minimum of 300mm centres.



- 2.6** When the canopy is fully secured a second mastic sealant can be applied.

3: Apex RTT

Position & Fix Brackets (see page 3) *before* canopy preparation & fixing



- 3.1** Drill holes for fixing at min. 300mm centres, max. 450mm centres (drill bit size M10) First hole at min. 50mm from apex. Use protective sheeting to front face of canopy.



- 3.2** Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.



- 3.3** With canopy in position, mark and drill positions for all fixings. Drill bit size M10.



- 3.4** Secure the canopy through the timber frame at a minimum of 300mm centres using the recommended fixings and plugs (Fischer SXR 10x100mm).



- 3.5** Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)



- 3.6** Installation is now complete ready for tiling.

4: Contemporary

Position & Fix Contemporary Canopy



- 4.1** Determine canopy height: Level with door head, above door head etc. Width is determined by the canopy dimensions.



- 4.2** To fit first bracket, mark positions for drill holes. Drill bit size M10.



- 4.3** Drill holes for first bracket. Drill bit size M10.



- 4.4** Use a temporary fixing to hold canopy for levelling. Use the recommended fixing type (Fischer SXR 10x60mm).

4: Contemporary



- 4.5** Ensure canopy is level before marking the remaining fixing positions.



- 4.7** Reposition canopy and secure with the recommended fixings (Fischer SXR 10x60mm).



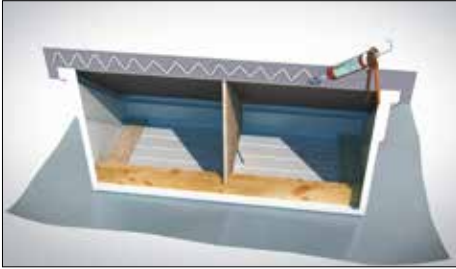
- 4.6** Remove canopy before drilling the remaining holes. Drill bit size M10.



- 4.8** Installation is now complete.

5: Mono GRP Roof

Position & Fix Brackets (see page 3) *before* canopy preparation & fixing



- 5.1** Apply mastic sealant to the rear of the Flashing Upstand while on the ground. Use protective sheeting to front face of canopy.



- 5.4** Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)



- 5.2** Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.



- 5.5** When the canopy is fully secured a second mastic sealant can be applied.



- 5.3** Secure the canopy by drilling through the flashing upstand at a minimum of 300mm centres with recommended fixings and plugs (Fischer SXR 10x60mm). Drill bit size M10.



- 5.6** Installation is now complete.

6: Mono RTT

Position & Fix Brackets (see page 3) *before* canopy preparation & fixing



- 6.1** Drill holes for fixing at min. 300mm centres, max. 450mm centres (drill bit size M10) First hole at min. 50mm from apex. Use protective sheeting to front face of canopy.



- 6.2** Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.



- 6.3** With canopy in position, mark and drill positions for all fixings. Drill bit size M10.



- 6.4** Secure the canopy through the timber frame at a minimum of 300mm centres using the recommended fixings and plugs (Fischer SXR 10x100mm).



- 6.5** Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)



- 6.6** Installation is now complete ready for tiling.

7: Flat GRP Brackets

Position & Fix Brackets (see page 3) *before* canopy preparation & fixing



- 7.1** Apply mastic sealant to the rear of the Flashing Upstand while on the ground. Use protective sheeting to front face of canopy.



- 7.4** Secure the canopy to the brackets using the pre-drilled holes and recommended fixings. (Fischer Pozi ZP 5x50mm)



- 7.2** Centre the canopy position, ensuring equal distance at either side, before pushing back to contact with the wall.



- 7.5** Position the GRP Kneeler supplied and fix with polytop pins.



- 7.3** Secure the canopy by drilling through the flashing upstand at a minimum of 300mm centres with recommended fixings and plugs (Fischer SXR 10x60mm). Drill bit size M10.



- 7.6** When the canopy is fully secured a second mastic sealant can be applied.

8: Flat Internal Brackets



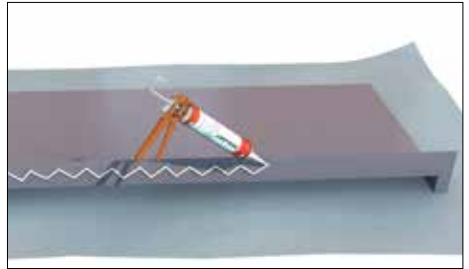
8.1 Fix a level batten at the desired canopy height.



8.4 Use packing shims to level canopy. Shims can be inserted from above or below as required.



8.2 Rest soffit of canopy onto batten and drill all fixing holes. Drill bit size: M10



8.5 Apply mastic sealant to the rear of the flashing upstand while on the ground. Use protective sheeting underneath the canopy.



8.3 Insert fixings. Do not fully tighten before levels have been checked and corrected.



8.6 Secure the canopy by drilling through the flashing upstand at a minimum of 300mm centres. Use recommended fixings and plugs. Drill bit size M10. **Continued >**

Continued

8: Flat Internal Brackets



- 8.7** Pre-drill holes using a M6 drill bit. Holes should be 50mm in from all corners and spaced at Max 500 ctrs.



- 8.8** Align roof with base and secure with Fir tree Fixings.



- 8.9** When the canopy is fully secured a second mastic sealant can be applied.



- 8.10** Lead Flashing: If lead flashing is being used it must be pre-installed and folded down after the canopy is fully fitted and secured.

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